

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-199829

(43)Date of publication of application : 04.08.1995

(51)Int.Cl.

G09F 9/33

F21V 19/00

H01L 33/00

(21)Application number : 05-335260

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(22)Date of filing : 28.12.1993

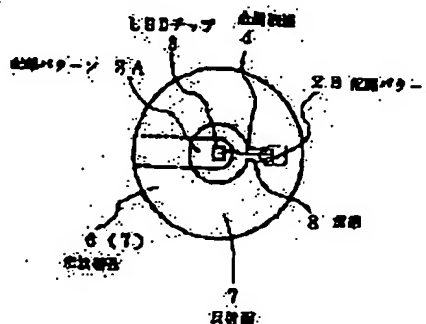
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(54) LIGHT EMITTING UNIT AND DISPLAY DEVICE AND ILLUMINATION DEVICE

(57)Abstract:

PURPOSE: To improve brightness and luminance by efficiently radiating incident light on a reflection surface from LED chips from an aperture of a housing.

CONSTITUTION: This light emitting unit U has a wiring board 1 disposed with plural pieces of the LED chips 3, 3,... on wiring patterns 2A in a linear or matrix form and the housing 5 provided with the light radiation holes 6 in correspondence to the respective LED chips 3, 3. The light radiation holes 6 are formed to a truncate conical form or truncated pyramidal form and the apertures thereof on the substrate side are sized to enclose the LED chip parts 3 and are successively provided with groove parts 8 for wiring fine metallic wires 4 to be connected to the other wiring patterns 2B. This display device or illumination device is constituted by using this light emitting unit U. These devices are constituted to lessen the loss arising from repetition of iterative reflection of the light radiated from the LED chips 3 by the peripheral wall surfaces of the radiation holes 6. The quantity of the light radiated from the light radiation holes 6 or light radiators, the luminance, etc., are thus enhanced.



LEGAL STATUS

[Date of request for examination]

30.08.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]